

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (75-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

8329-43

DATE OF ISSUANCE

18 DEC 1992

TERM OF ISSUANCE

NOTICE OF PESTICIDE: ☐ REGISTRATION
☐ REREISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

BIOMIST 31 + 66 ULV

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

CLARKE MOSQUITO CONTROL PRODUCTS
159 NORTH GARDEN AVENUE
ROSELLE, IL 60172

FILE COPY

161/5430 335
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NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(B) since you agreed to:

1). make the following label changes listed below before you release the product for shipment:

- a). Add the phrase, "EPA Registration No. 8329-43" to the labeling,
- 2). Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data,
- 3). Submit a repeated dermal sensitization study (GRN §81-6) conducted in accordance with the Agency's Good Laboratory Practice regulations or requirement (GLP) and submit the study to EPA within one (1) year from date of this notice.
- 4). Submit a repeated oral LD₅₀ study (GRN § 81-1) conducted in accordance with the Agency's GLP regulations and submit the study to EPA within one (1) year from date of this notice.

Submit five (5) copies of your final printed labeling before you release the product for shipment.

A stamped copy of the label has been enclosed for your records.

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

☐ ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

December 18, 1992

Precautionary Statements HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

May be fatal if swallowed. Harmful if absorbed through skin or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF ON SKIN: Remove contaminated clothing. Wash with plenty of soap and water. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. Get medical attention immediately.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not allow spray treatment to drift on pastureland, cropland, poultry ranges or water supplies. Do not contaminate water when disposing of equipment washwaters.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame. Flashpoint minimum of 300°F.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

CONDITIONS and RATES to USE for MOSQUITO CONTROL

Permethrin pounds/acre	Application Rates Fl. oz./Min.			Fl. oz. Biomist® 31-66 per acre
	500PH	1000PH	1500PH	
0.021	30	60	90	10
0.035	15	30	45	0.5
0.0035	0.5	1.0	1.5	0.16

ACTIVE INGREDIENTS:

Permethrin (3-Phenoxyphenyl)methyl (±) cis, trans-3-(2,2-dichloroethenyl)-2,2-dimethyl- cyclopropanecarboxylate	31.00%
Piperonyl Butoxide, Technical Equivalent to 80% (butylcarbitol) (6-propylpiperonyl) ether and 20% related compounds	66.00%
INERT INGREDIENTS	3.00%
	100.00%

Contains petroleum distillates.

Contains 2.80 pounds of Permethrin and 6.0 pounds
of Piperonyl Butoxide per gallon

CAUTION

KEEP OUT OF REACH OF
CHILDREN

MANUFACTURED BY

**CLARKE MOSQUITO CONTROL
PRODUCTS, INC.**
159 N. GARDEN AVENUE
ROSELLE, ILLINOIS 60172

E.P.A. EST No. 8329IL01

EPA Reg. No. 8329-

NET CONTENTS

NOTICE: Seller makes no warranty, expressed or implied concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when use and/or handling is contrary to label instructions.

BEST AVAILABLE COPY

Biomist® 31-66 ULV is recommended for application as an ultra low volume (U.L.V.) nonthermal aerosol (cold fog) to control adult mosquitoes in residential and recreational areas where these insects are a problem, such as but not limited to parks, campsites, woodlands, athletic fields, golf courses, residential areas and municipalities, gardens, playgrounds, recreational areas and overgrown waste areas. Do not apply this product within 100 feet (30 Meters) of lakes and streams. Do not allow spray treatment to drift on pastureland, cropland, poultry ranges, or water supplies. For best results treat when mosquitoes are most active and weather conditions are conducive to keeping the fog close to the ground, e.g. cool temperatures and wind speed not greater than 10 mph. Applications during the cool hours of the night or early morning is usually preferable. Repeat treatment as needed.

U.L.V. Nonthermal Aerosol (Cold Fog) Application: To control Mosquitoes, Midges and Blackflies, apply Biomist® 31-66 ULV using any standard U.L.V. ground applicator capable of producing a nonthermal aerosol spray with droplets ranging in size from 5 to 30 microns and a mass median diameter (MMD) of 10 to 20 microns. Apply the product undiluted at a flow rate of 1.0 to 6.00 fluid ounces per minute at an average vehicle speed of 10 mph. If a different vehicle speed is used, adjust rate accordingly. These rates are equivalent to 0.0035 to 0.021 pounds of Permethrin and 0.0175 to 0.105 pounds of Piperonyl Butoxide per acre. Vary flow rate according to vegetation density and mosquito population. Use higher flow rate in heavy vegetation or when populations are high. An accurate flow meter must be used to ensure the proper flow rate. Biomist® 31-66 ULV may also be applied by diluting with a suitable solvent such as mineral oil and applying so as not to exceed the maximum pounds of active ingredient per acre as shown in the first column of the previous table. The following charts represent some suggested dilution and application rates for ground U.L.V. applications. If an alternate dilution rate is used, adjust flow rate accordingly.

FOR A 1:2 BIOMIST® 31-66 ULV/SOLVENT DILUTION RATIO
Mix one (1) part BIOMIST® 31-66 with two (2) parts solvent and apply at the following rates.

Permethrin pounds/acre	Application Rates Fl. oz./Min.			Fl. oz. finished spray per acre
	500PH	1000PH	1500PH	
0.007	30	60	90	20
0.0035	15	30	45	10
0.00175	0.75	1.5	2.25	0.3

FOR A 1:4 BIOMIST® 31-66 ULV/SOLVENT DILUTION RATIO
Mix one (1) part BIOMIST® 31-66 with four (4) parts solvent and apply at the following rates.

Permethrin pounds/acre	Application Rates Fl. oz./Min.			Fl. oz. finished spray per acre
	500PH	1000PH	1500PH	
0.007	50	100	150	16
0.0035	25	50	75	8
0.00175	1.25	2.5	3.5	0.4

FOR A 1:8 BIOMIST® 31-66 ULV/SOLVENT DILUTION RATIO
Mix one (1) part BIOMIST® 31-66 with eight (8) parts solvent and apply at the following rates.

Permethrin pounds/acre	Application Rates Fl. oz./Min.			Fl. oz. finished spray per acre
	500PH	1000PH	1500PH	
0	90	180	270	30
0	45	90	135	15
0.00175	2.25	4.5	6.75	0.75

For proper application, follow the above applications should produce droplets exceeding 100 microns. 31-66 ULV may also be applied by aerial application. 31-66 ULV should be made with

S
Do not contain...
PESTICIDE ST
at room tempera...
spill or leakage...
sawdust, earth...
PESTICIDE D
may be disposed...
CONTAINER
recycling or rec...
landfill, or by oth...
CONTAINERS
tainer. Wrap con...
wash.

CONTAINERS
Triple rinse or e...
puncture and di...
approved by stat...
equivalent. Ther...
dispose of in a s...
and local author...
dispose of in a...
procedures.

ACCEPT
with COMMA
in EPA Letter

18 DEC

Under the Federal...
Fungicide, and R...
on amended, for...
registered under L...

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FOR